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Form PTO (Rev. 8-98)   U.S. DEPARTMENT OF COMMERCE - Patent and Trademark Office   Application No. 09/337,619

NOTICE OF DRAFTSPERSON'S
PATENT DRAWING REVIEW

The drawing(s) filed (insert date) 6·21·99 are:

A. ☐ approved by the Draftsperson under 37 CFR 1.84 or 1.152.

B. ☑ objected to by the Draftsperson under 37 CFR 1.84 or 1.152 for the reasons indicated below. The Examiner will require submission of new, corrected drawings when necessary. Corrected drawing must be submitted according to the instructions on the back of this notice.

1. DRAWINGS. 37 CFR 1.84(a): Acceptable categories of drawings:
Black ink. Color:
____ Color drawings are not acceptable until petition is granted.
   Fig(s)
____ Pencil and non black ink not permitted. Fig(s)
2. PHOTOGRAPHS. 37 CFR 1.84 (b)
____ 1 full-tone set is required. Fig(s)
____ Photographs not properly mounted (must use brystol board or photographic double-weight paper). Fig(s)
____ Poor quality (half-tone). Fig(s)
3. TYPE OF PAPER. 37 CFR 1.84(e)
____ Paper not flexible, strong, white, and durable.
   Fig(s)
__✓_ Erasures, alterations, overwritings, interlineations, folds, copy machine marks not accepted. Fig(s) 1A-15
____ Mylar, velum paper is not acceptable (too thin).
   Fig(s)
4. SIZE OF PAPER. 37 CFR 1.84(f): Acceptable sizes:
____ 21.0 cm by 29.7 cm (DIN size A4)
____ 21.6 cm by 27.9 cm (8 1/2 x 11 inches)
____ All drawing sheets not the same size.
   Sheet(s)
____ Drawings sheets not an acceptable size. Fig(s)
5. MARGINS. 37 CFR 1.84(g): Acceptable margins:

Top 2.5 cm Left 2.5cm Right 1.5 cm Bottom 1.0 cm
        SIZE: A4 Size
Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm
        SIZE: 8 1/2 x 11
Margins not acceptable. Fig(s) 1A-2, 4A-7, 5A, 5B, 11, 13, 15
__✓_ Top (T)   __✓_ Left (L)
__✓_ Right (R)   __✓_ Bottom (B)
6. VIEWS. 37 CFR 1.84(h)
REMINDER: Specification may require revision to correspond to drawing changes.
Partial views. 37 CFR 1.84(h)(2)
____ Brackets needed to show figure as one entity.
   Fig(s)
____ Views not labeled separately or properly.
   Fig(s)
____ Enlarged view not labeled separately or properly.
   Fig(s)
7. SECTIONAL VIEWS. 37 CFR 1.84 (h)(3)
____ Hatching not indicated for sectional portions of an object.
   Fig(s)
____ Sectional designation should be noted with Arabic or Roman numbers. Fig(s)

8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(i)
____ Words do not appear on a horizontal, left-to-right fashion when page is either upright or turned so that the top becomes the right side, except for graphs. Fig(s)
9. SCALE. 37 CFR 1.84(k)
____ Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction.
   Fig(s)
10. CHARACTER OF LINES, NUMBERS, & LETTERS.
37 CFR 1.84(l)
__✓_ Lines, numbers & letters not uniformly thick and well defined, clean, durable, and black (poor line quality).
   Fig(s) 1A-15
11. SHADING. 37 CFR 1.84(m)
____ Solid black areas pale. Fig(s)
____ Solid black shading not permitted. Fig(s)
____ Shade lines, pale, rough and blurred. Fig(s)
12. NUMBERS, LETTERS, & REFERENCE CHARACTERS.
37 CFR 1.84(p)
__✓_ Numbers and reference characters not plain and legible.
   Fig(s) 1A - 15
__✓_ Figure legends are poor. Fig(s) 1A-15
____ Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(1)
   Fig(s)
____ English alphabet not used. 37 CFR 1.84(p)(2)
   Figs
____ Numbers, letters and reference characters must be at least .32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3)
   Fig(s)
13. LEAD LINES. 37 CFR 1.84(q)
____ Lead lines cross each other. Fig(s)
____ Lead lines missing. Fig(s)
14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.84(t)
____ Sheets not numbered consecutively, and in Arabic numerals beginning with number 1. Sheet(s)
15. NUMBERING OF VIEWS. 37 CFR 1.84(u)
____ Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s)
16. CORRECTIONS. 37 CFR 1.84(w)
____ Corrections not made from prior PTO-948 dated
17. DESIGN DRAWINGS. 37 CFR 1.152
____ Surface shading shown not appropriate. Fig(s)
____ Solid black shading not used for color contrast.
   Fig(s)

COMMENTS

REVIEWER ___Jc___   DATE 9·28·00   TELEPHONE NO. 703 305 8470

ATTACHMENT TO PAPER NO. _____